

"The Cell Book"

Essential Question

- How are the form and function of cell parts related?

Purpose

- to reinforce my understanding of the cell organelles and their functions
- to create a useful study tool for cell structures

Procedure

1. At the end of this document, you will find the organelle pictures and names. Your first job is to accurately match the organelle name with its picture.
2. Once you have accurately matched the organelle names and pictures, you will be creating a "Cell Book." You will need the following materials:
 - paper—regular and construction paper
 - glue stick
 - scissors
 - colored pencils/markers
3. You may organize your book however it will best help you understand the cell parts and their jobs within the cell. Each page of your book should contain the following:
 - name of the structure glued on
 - picture of the structure glued on
 - written description AND analogy of the function
4. You will need to include a full page for an animal cell and a plant cell. These pages are at the end of this document. You will need to color the parts of each cell.
5. You will also need to create a front cover and back cover for your book. You can use the construction paper for these pages. Be creative here! **YOU** are the author so include a biography—tell me about yourself on the inside of the back cover.
6. Once you have created all of your pages, you can assemble it using the hole punch and pipe cleaners, string, or paperclips.

This book should be an effective study tool for the cell structures and functions. It will be graded according to the rubric on the back of this page. The book is worth a total of 50 points and will replace your lowest grade earned thus far.

Your cell book is due on: Monday, Sept. 28th.

Cell Book Rubric

Name _____

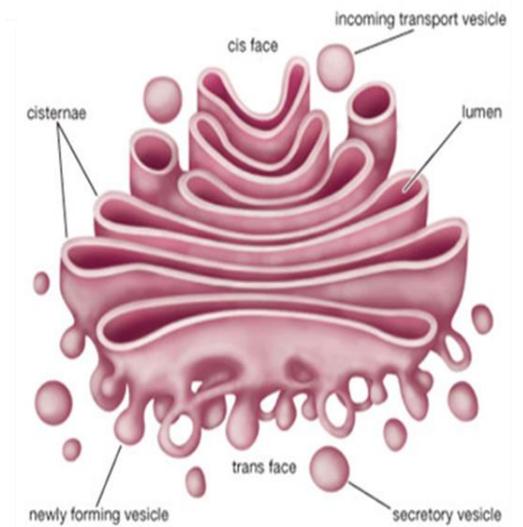
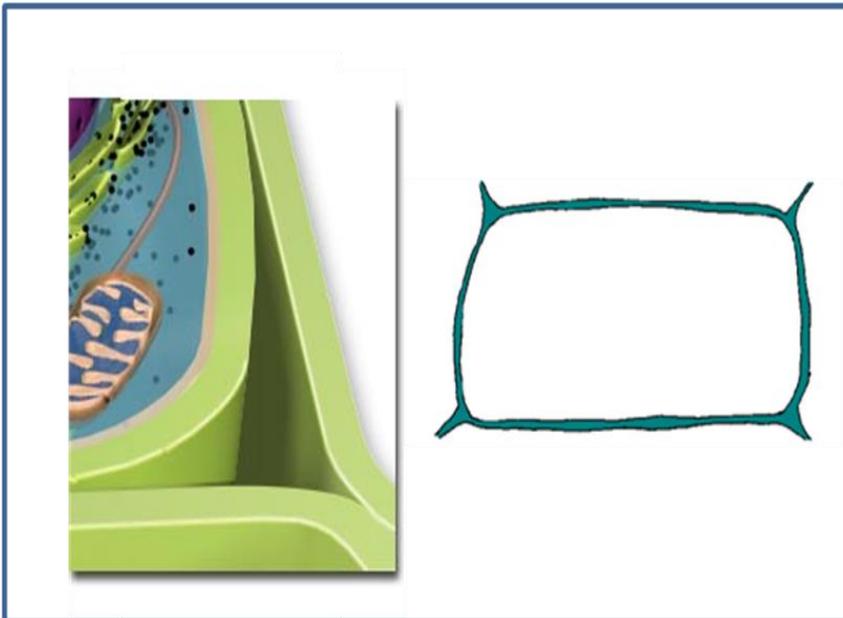
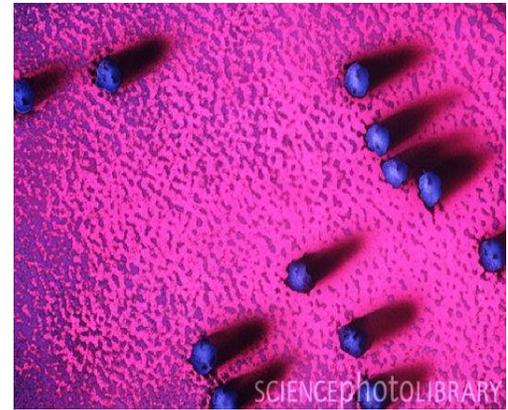
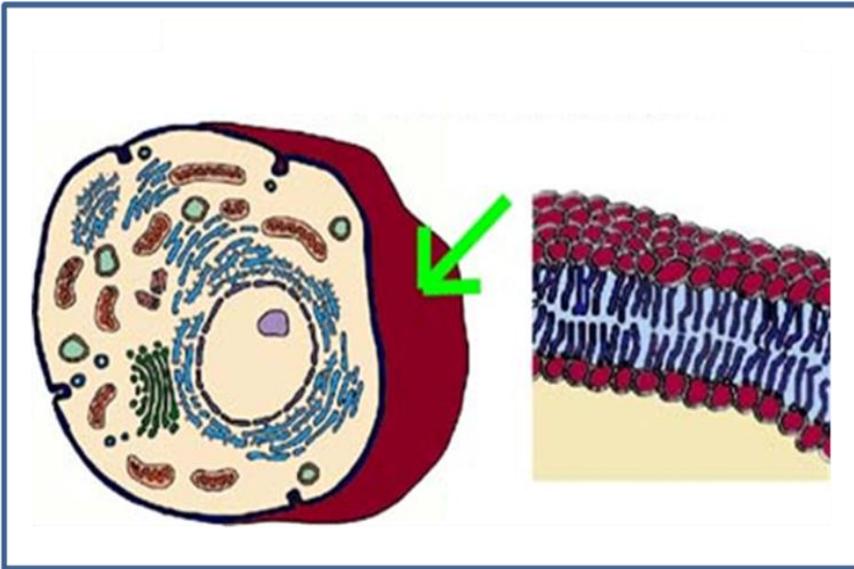
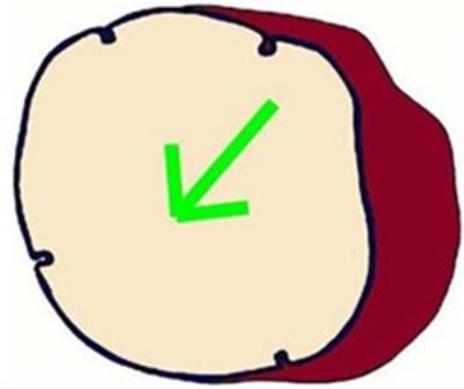
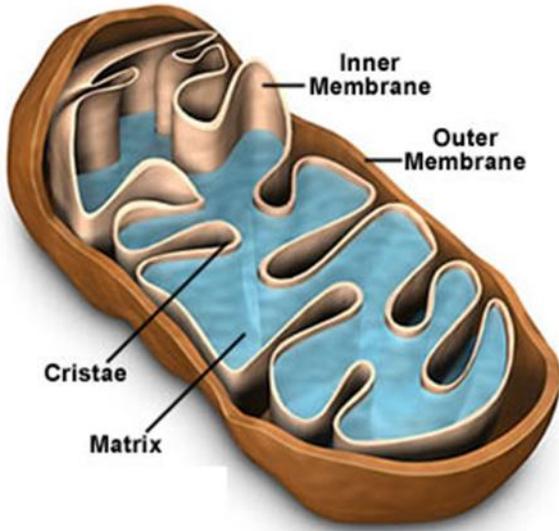
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Topic	Points		
	Great score	Ok score	Poor score
Cell Structures <ul style="list-style-type: none"> • Name 	1/2 points each All structures and names are correctly matched and glued to the page.		0 points Structure names and pictures are not correctly matched and glued to the page
Cell Structures <ul style="list-style-type: none"> • Picture with color 	1/2 points each All structures and names are correctly matched and glued to the page.		0 points Structure names and pictures are not correctly matched and glued to the page
Cell Structures <ul style="list-style-type: none"> • Description / function 	2 points each The function is described clearly and accurately.	1 point each The function is partially described.	0 points The function is not described.
Front Cover	3 points Neat and creative title	1-2 points Cover page and title present, no creativity	0 points Front cover not included.
Back Cover Includes Bibliography!	4-5 points Creative and unique biography included	2-3 points Poorly written biography	0-1 point Back cover included; no biography
Overall Book Design	4-5 points Very creative design; book is neatly organized and easy to read	2-3 points Book is somewhat creative and neat in design and organization	0-1 point Book is poorly organized
50 points possible			



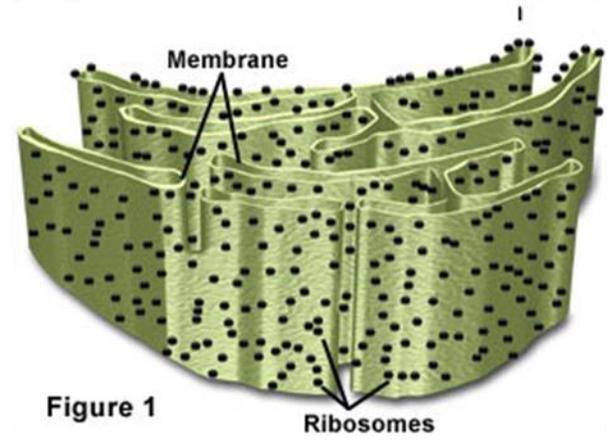
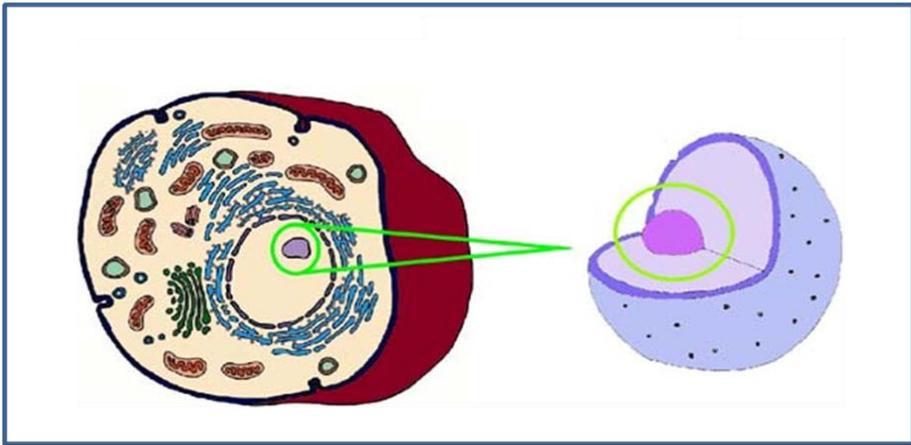
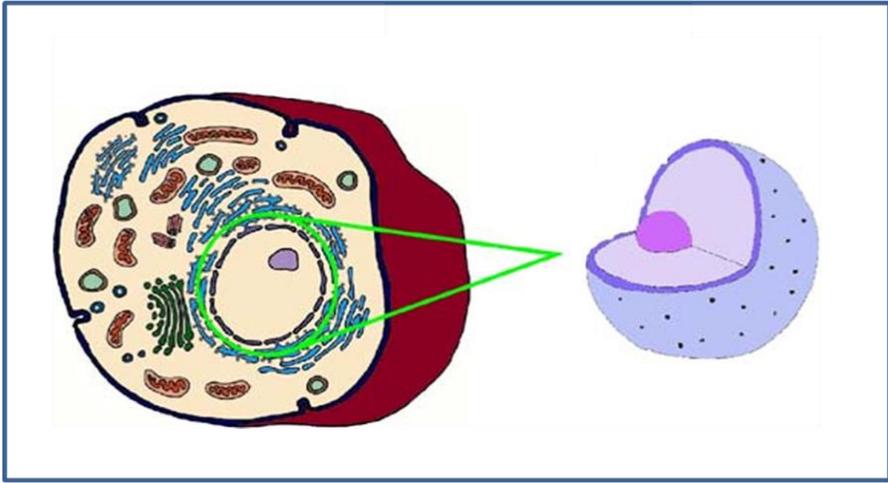
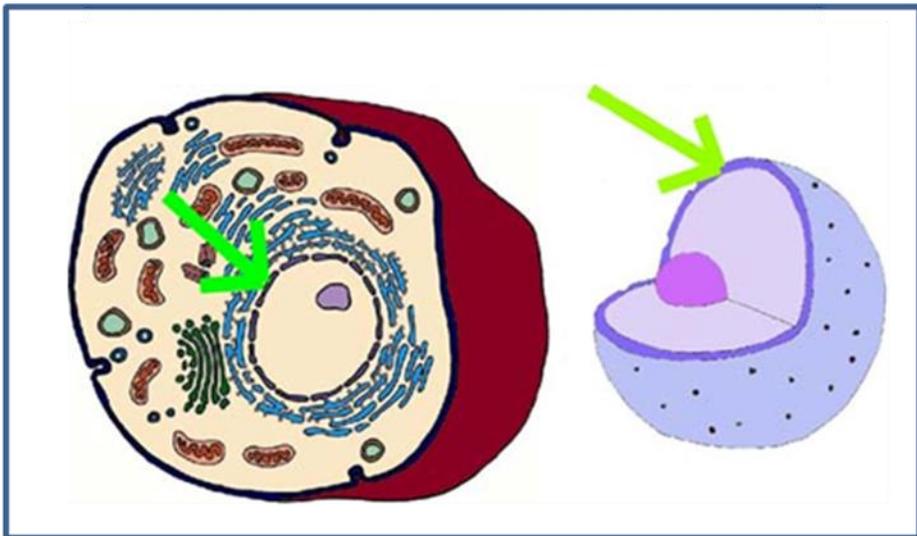


Figure 1



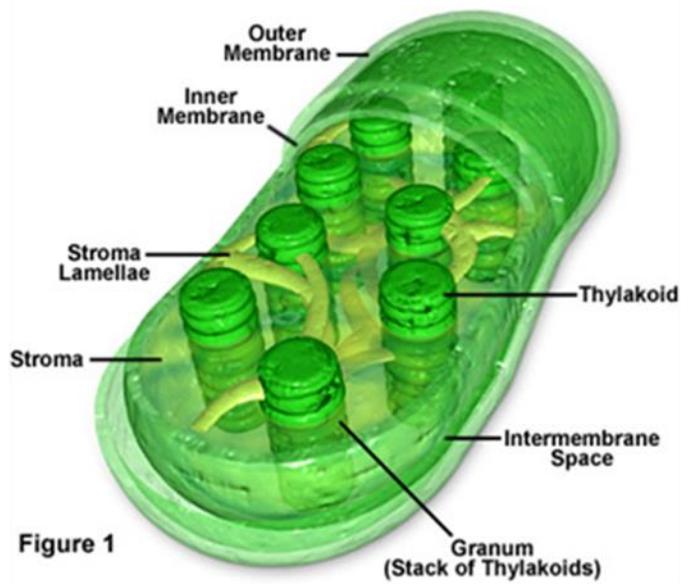
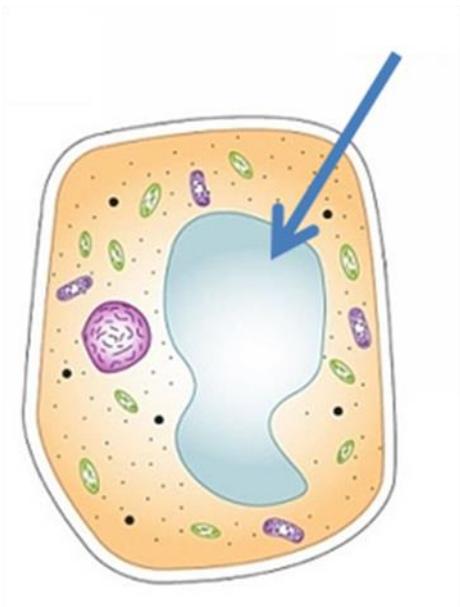
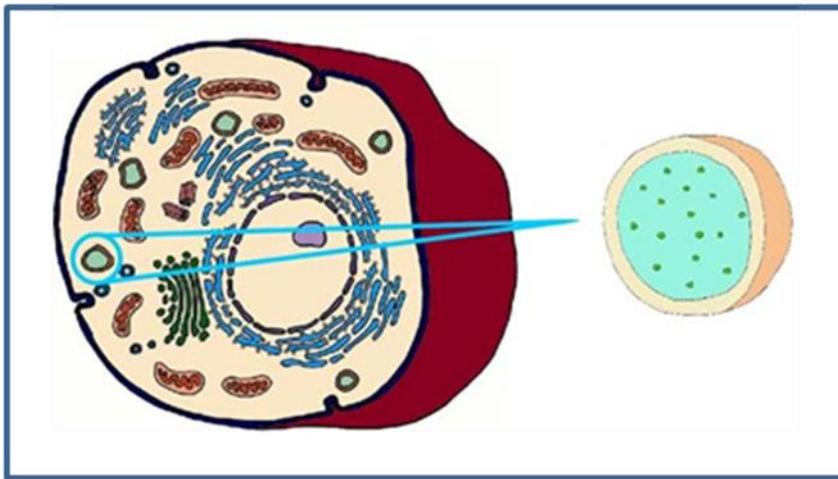
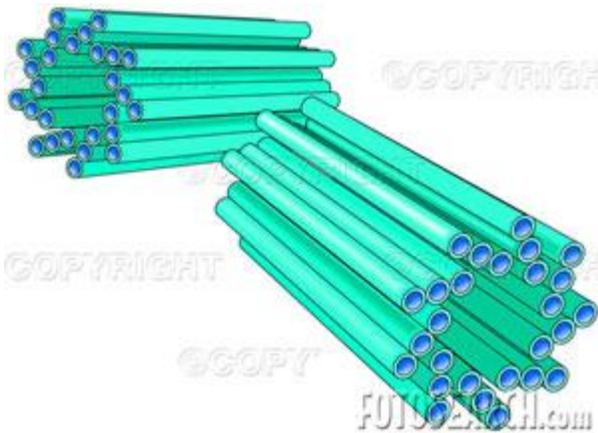


Figure 1



Cell Membrane

Cell Wall

Nucleus

Nucleolus

Mitochondria

Cytoplasm

Rough ER

Smooth ER

Golgi Body

Chloroplast

Lysosome

Ribosomes

Vacuole

Nuclear Membrane

Centrioles

Animal Cell

Plant Cell

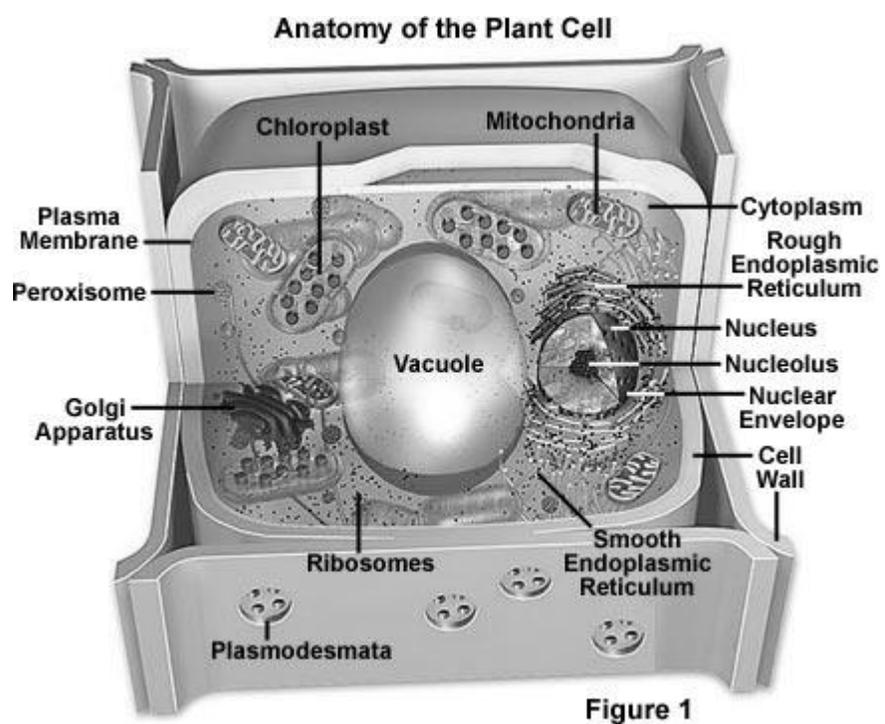
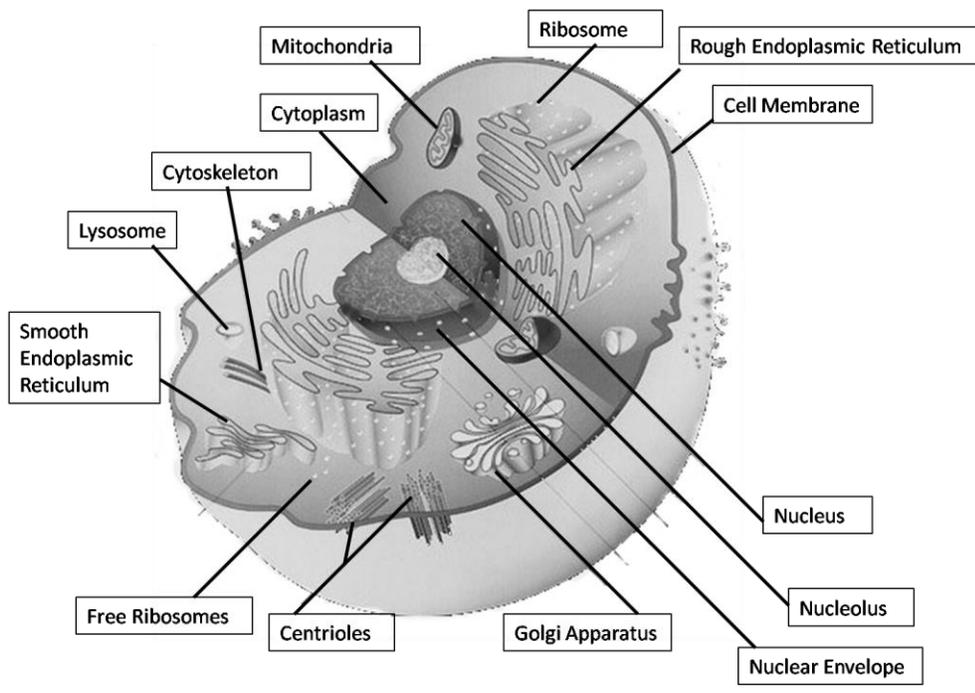


Figure 1